

Illinois Environmental Protection Agency  
Bureau of Air, Permit Section  
1021 N. Grand Avenue East  
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Springfield, Illinois 62794-9506

Project Summary for an Application from  
Vonco Products, Inc. for the  
Federally Enforceable State Operating Permit (FESOP) for  
201 Park Avenue, Lake Villa, Lake County

Site Identification No: 097084AAI  
Application No.: 05010027

Schedule

Public Comment Period Begins: May 22, 2014  
Public Comment Period Closes: June 21, 2014

Illinois EPA Contacts

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## **I. INTRODUCTION**

Vonco Products, Inc currently operates under federally enforceable state operating permit (FESOP) which has expired. The company requested a renewal of their FESOP to continue to operate as non-major source for the purposes of the Clean Air Act Permit Program (CAAPP). This plant requires an air pollution control operating permit because it is a source of emissions. The Illinois EPA has prepared a draft of the renewed permit that it would propose to issue for the plant. However, before issuing the permit, the Illinois EPA is holding a public comment period to receive comments on this proposed action and the terms and conditions of the draft permit that it would propose to issue.

## **II. SOURCE DESCRIPTION**

Vonco Products, Inc. performs image and text printing on plastic bags using three flexographic printing presses controlled by regenerative thermal afterburner and six silk screen printing presses. Various organic solvents are used in clean-up operations. The principal air contaminant emitted from the facility is Volatile Organic Material (VOM), generated during the ink application and from solvents usage. Some of the organic solvents may contain hazardous air pollutants (HAP).

## **III. GENERAL DISCUSSION**

Federally Enforceable State Operating Permits (FESOPs) are federally enforceable, that is, the terms and conditions of the permits can be enforced by USEPA under federal law, as well as by Illinois government and the public under state law. These permits can establish federally enforceable limitations on the operation and emissions of a source that restrict the potential emissions of the source.

The source has to operate this plant under a FESOP because the actual emissions of the plant are below the levels at which the plant would be considered a major source under Title V of the Clean Air Act and regulations promulgated thereunder. However, in the absence of federally enforceable limitations, the plant's potential emissions would be such that the plant would be considered a major source for this program. The permit acts to restrict the plant potential emissions so that it need not be considered a major source. As a result, the source does not need to obtain a Clean Air Act Permit Program (CAAPP) permit for the plant, as would otherwise be required.

The FESOP limits the operation and annual emissions of the plant to below the major-source-thresholds of 10 tons for an individual HAP and 25 tons for combined HAPs.

## **IV. APPLICABLE EMISSION STANDARDS**

All emission units in Illinois must comply with state emission standards adopted by the Illinois Pollution Control Board. These emission standards represent the basic requirements for sources in Illinois. The board has specific standards for units emitting volatile organic material in the Greater Chicago area, e.g., 35 IAC, Part 218, Subpart E – Solvent Cleaning, Subpart F – Coating Operations, Subpart H - Printing Operations.

Printing and coating operations performed on flexographic printing presses are subject to emission standards of 35 Ill. Adm. Code 218 Subpart H. Compliance is achieved through the use of regenerative thermo oxidizer (RTO) with demonstrated overall control efficiency exceeding 90%.

Silk Screen printing presses are eligible for exemption from 35 Ill. Adm. Code 218 Subpart TT applicability due to permit limits on VOM emission from these presses below applicability threshold of 25 tons/yr.

The paper and plastic film coating operations performed on the flexographic printing presses are exempt from requirements of 35 IAC 218 Subpart F.

The application shows that the plant is in compliance with applicable state and federal emission standards.

## **V. CONTENTS OF THE PERMIT**

The permit that the Illinois EPA is proposing to issue would identify the specific emission standards that apply to the emission units at the plant. As explained, the cleaning operations of the flexible package printing are exempt from 35 IAC 218.187 control requirements. Flexographic printing operations are subject to VOM control requirements of 35 IAC 218.401. The Silk Screen printing presses are exempt from 35 Ill. Adm. Code 218 Subpart TT. The conditions of this permit are intended to ensure that the source continues to comply with applicable emission standards.

The permit would also contain limitations and requirements to assure that this plant is operated as a non-major source. The permit would limit the operation and annual emissions of the plant to below the major-source-thresholds of 100 tons for VOM, 10 tons for an individual HAP and 25 tons for combined HAPs. (Annual emissions of other pollutants from the plant are well below the 100 ton major source threshold.)

The permit conditions would also continue to require appropriate compliance procedures, including inspection practices as well as recordkeeping and reporting requirements. The source must carry out these procedures on an on-going basis to demonstrate that the plant is being operated within the limitations set by the permit and the plant's emissions are being properly controlled.

## **VI. REQUEST FOR COMMENTS**

It is the Illinois EPA's preliminary determination that the source has met the requirements for renewal of its permit. The Illinois EPA is therefore proposing to renew the permit.

Comments are requested on this proposed action by the Illinois EPA and the proposed conditions on the draft permit. If substantial public interest is shown in this matter, the Illinois EPA will consider holding a public hearing in accordance with 35 IAC Part 166.